

CLAIMS

1. Valve rotating device comprising
  - a basic body,
  - a cover which is rotatable and axially displaceable relative to the basic body about an axis of rotation, and
  - a rotating device to rotate the basic body relative to the cover about the axis of rotation,wherein
  - the rotating device has a freewheel,
  - the freewheel is connected in a rotationally fixed manner to the cover or the basic body in one rotational direction about the axis of rotation, whereas in the opposite rotational direction the freewheel is rotatable with respect to the cover and the basic body respectively, and
  - the freewheel and an axial spring device are enclosed between the basic body and the cover.
2. Valve rotating device according to claim 1, wherein  
the rotating device comprises at least one rotating member, through which a rotation of the freewheel with respect to the cover or the basic body can be effected upon an axial displacement between the cover and the basic body.

3. Valve rotating device according to claim 2,  
wherein  
the rotating member has a pin which is arranged on one side of the freewheel and engages in a groove extending obliquely to the axis of rotation on the cover or the basic body.
4. Valve rotating device according to claim 3,  
wherein  
the pin is provided with a friction bearing or a roller bearing.
5. Valve rotating device according to claim 2,  
wherein  
the rotating member has a first gearing located on the freewheel that interacts with a corresponding second gearing located on the cover or the basic body.
6. Valve rotating device according to claim 1,  
wherein  
the freewheel has at least one coupling member, which is displaceably supported in a recess directed perpendicularly to the axis of rotation between a clamping position and a freewheel position.
7. Valve rotating device according to claim 6,  
wherein  
the coupling member is a roller or a ball.
8. Valve rotating device according to claim 1,  
wherein  
the freewheel has the design of an annular disk, at whose one face at least one coupling member is arranged

and at the other face at least one rotating member is arranged.

9. Valve rotating device according to claim 1,  
wherein  
the freewheel is supported in a rotatable and axially fixed manner on the basic body or the cover through a bearing.
10. Valve rotating device according to claim 1,  
wherein  
an axial spring device is provided which is arranged between the cover and the basic body.
11. Valve rotating device according to claim 10,  
wherein  
the axial spring device supports itself on the free-wheel.